# Nokia Customer Care
# RH-30/RH-31 Series Cellular Phones

# Service Tools


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# DA-19 Docking Adapter

The DA-19 Docking Station Adapter is used only with JBV-1 Docking Station. It has been designed for calibration and software update use. The Docking Station Adapter makes signal connections to the phone.

DA-19 main electric functions include:

- adjustable VBATT calibration voltage, current measurement limit voltage "VCHAR", current measurement calibration current "ICHAR"
- adjustable ADC calibration voltage via BTEMP and BSI signal
- BTEMP and BSI calibration resistor
- signals from FBUS to the phone via parallel jig
- control via FBUS or USB
- Flash OK/FAIL indication

In calibration mode DA-19 is powered by external power supply 11-16V DC. In flashing power for the phone can be taken from FPS-8 or external power supply 11-16V DC.

DA-19 main electric functions are:

- phone recognising from BTEMP
- filters of FBUS signals

## Product code

DA-19 Docking Station Adapter: 0770674

**View of DA-19**

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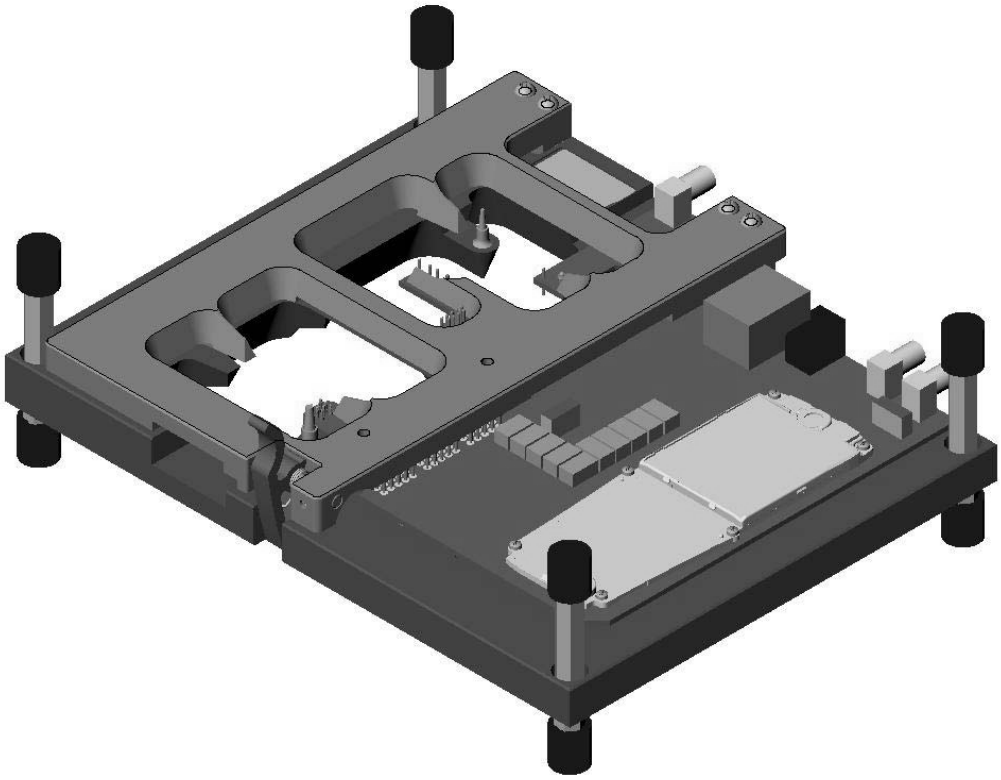
# MJS-38 Module Test Jig

Module Test Jig MJS-38 is designed for regional Central Services for 1bj module testing. It can be used for flashing and RF-, battery-, system-, radio- and SIM reader testing.

## Product code

MJS-38 Module Test Jig: 0770416

**View of MJS-38**



*Note: The nominal supply voltage for MJS-38 is +4.2 V.*

*The supply voltage must not exceed +5.0 V (min 3V).*

*(MJS-38 includes overvoltage, overcurrent and reversed polarity protection).*

*For flashing with FPS-8, it is possible to bypass the regulator*

*(jumper).*

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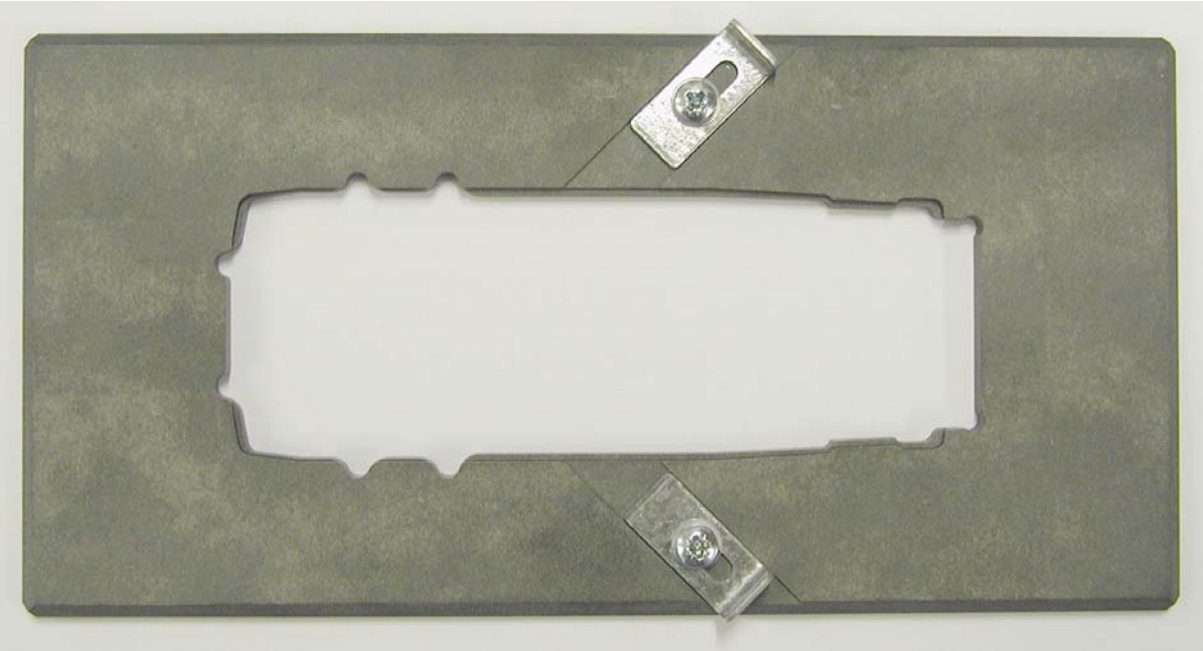
# MJS-90 Soldering Jig

MJS-90 Soldering Jig is used for soldering and as a rework jig for 1bj module.

## Product code

MJS-90 Module Jig: 0770493

**View of MJS-90**

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# FPS-8 Flash Prommer (Sales Pack)

The Flash Prommer FPS-8 is used with e.g. DA-19 and JBV-1. Power is supplied to FPS-8 from the Universal Power Supply.

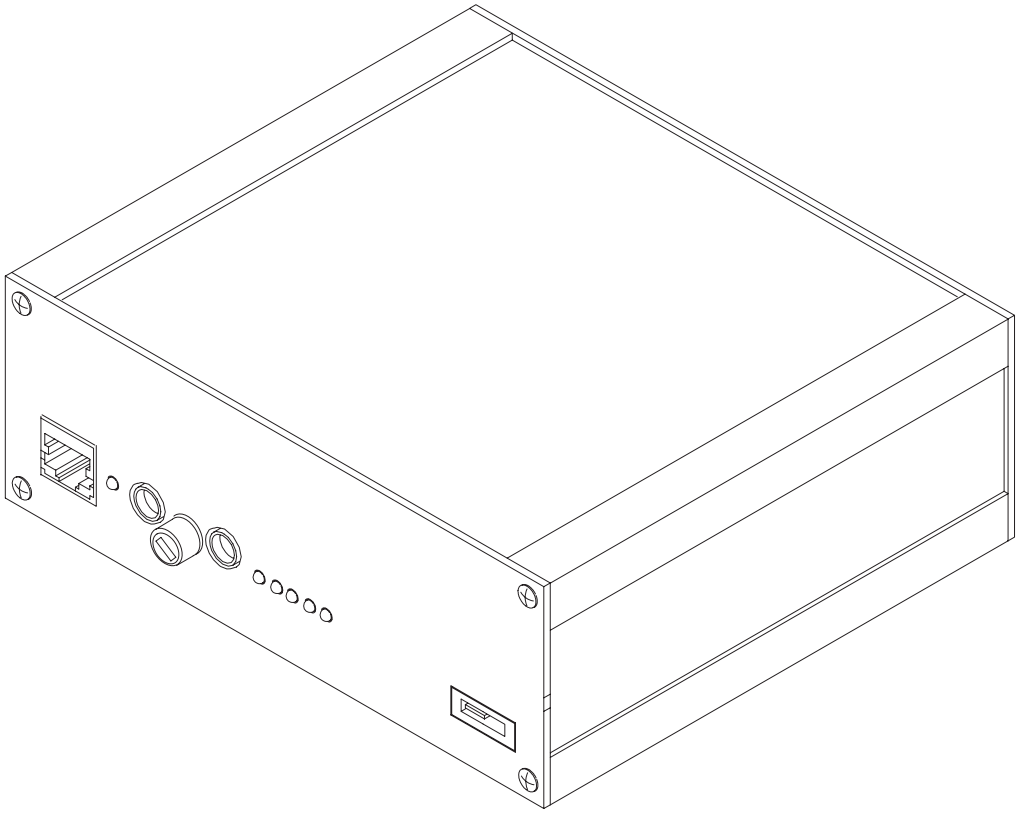
The sales pack includes:

- FPS-8 Flash Prommer: 0750123
- FPS-8 Activation Sheet : 9359289
- Universal Power Supply: 0680032
- AXS-4 Service Cable (D9-D9): 0730090
- Printer cable: 0730029

## Sales package code

FPS-8 Flash Prommer: 0080321

**View of FPS-8**

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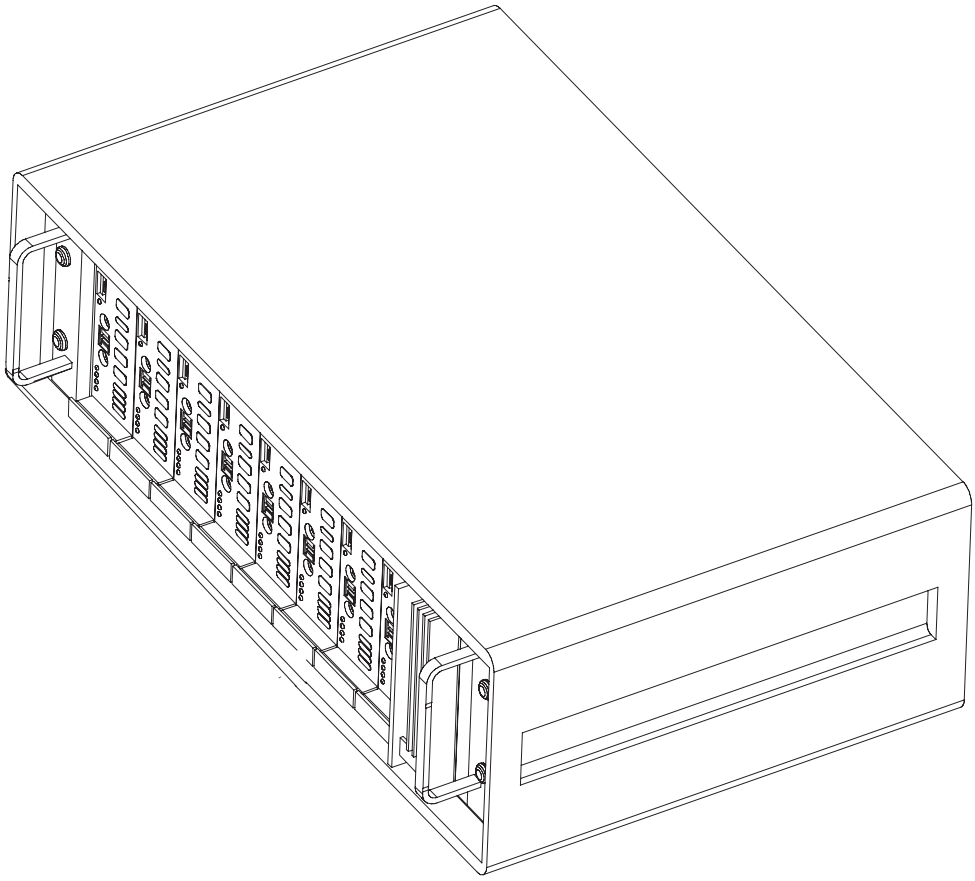
# FPS-8C Parallel Flash Prommer (Sales Pack)

The Parallel Flash Prommer FPS-8C is used with DA-19 and JBV-1. Flash programming can be done to maximum of 8 phones parallel. FPS-8C consists of eight SF11C programming cards. SF11C card is functionally identical to FPS-8.

## Sales package code

FPS-8C Parallel Flash Prommer: 0080396

**View of FPS-8C**

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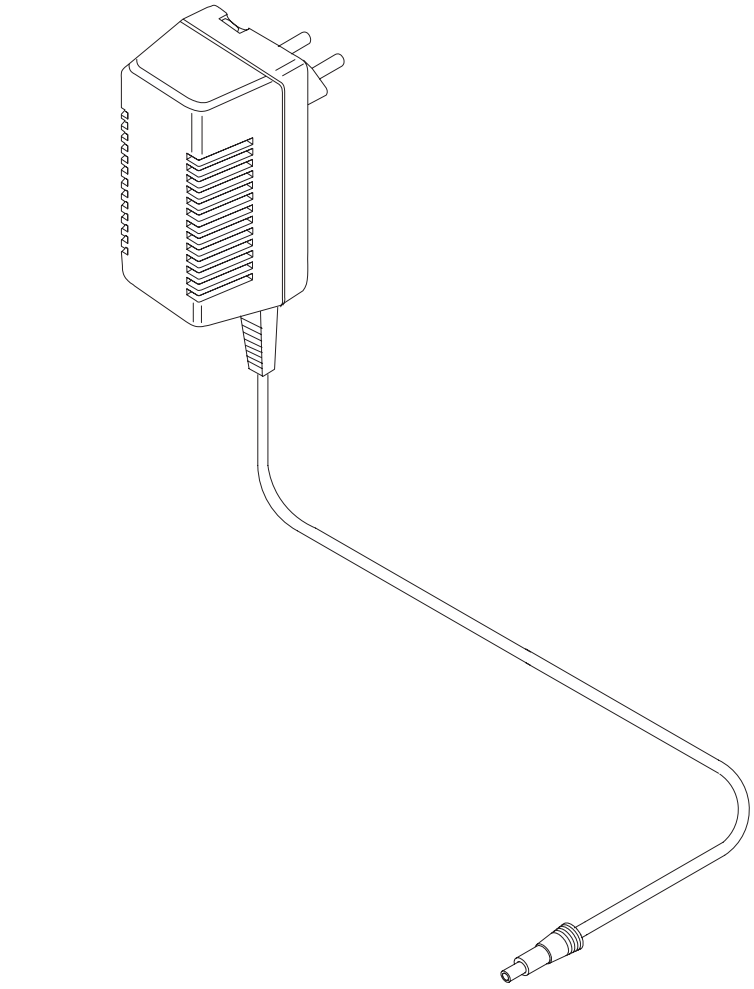
# ACF-8 Universal Power Supply

ACF-8 Universal Power Supply is used to power FPS-8. ACF-8 has 6 V DC and 2.1 A output.

## Product code

ACF-8 Universal Power Supply: 0680032

**View of ACF-8**

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# FLA-27 POS (Point Of Sale) Flash Loading Adapter

FLA-27 POS Flash Loading Adapter is used in place of the phone's normal battery during service to supply a controlled operating voltage.

## Product code

FLA-27 POS Flash Loading Adapter: 0770492

**View of FLA-27**

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*Note! The following instructions must be followed when using Service Accessories designed for Nokia RH-30/RH-31 product.*

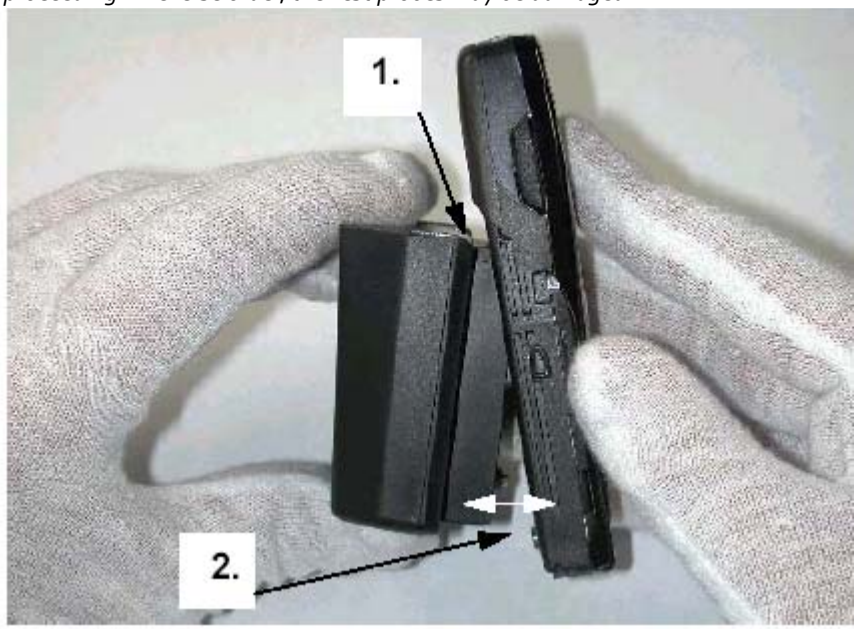
*Otherwise, the sensitive parts may damage, and the accessory becomes useless.*

**FLA-27, POS Flash Adapter**

1 Hold the Flash Adapter in one hand and the phone in the other.

2 Put the Battery connector side into its place, and then press the Test probe side and the phone together.

*Note! If proceeding in reverse order, the Test probes may be damaged.*

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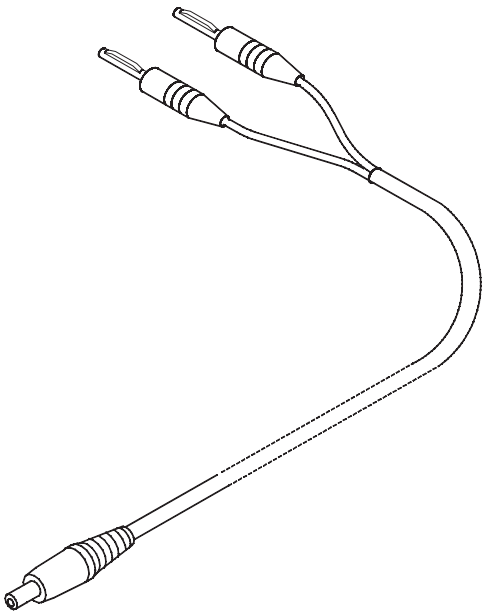
# FLC-2 DC Cable

The FLC-2 is used to supply a controlled operating voltage.

## Product code

| | |
|---|---|
| FLC-2 DC Cable: | 0730185 |

**View of FLC-2**

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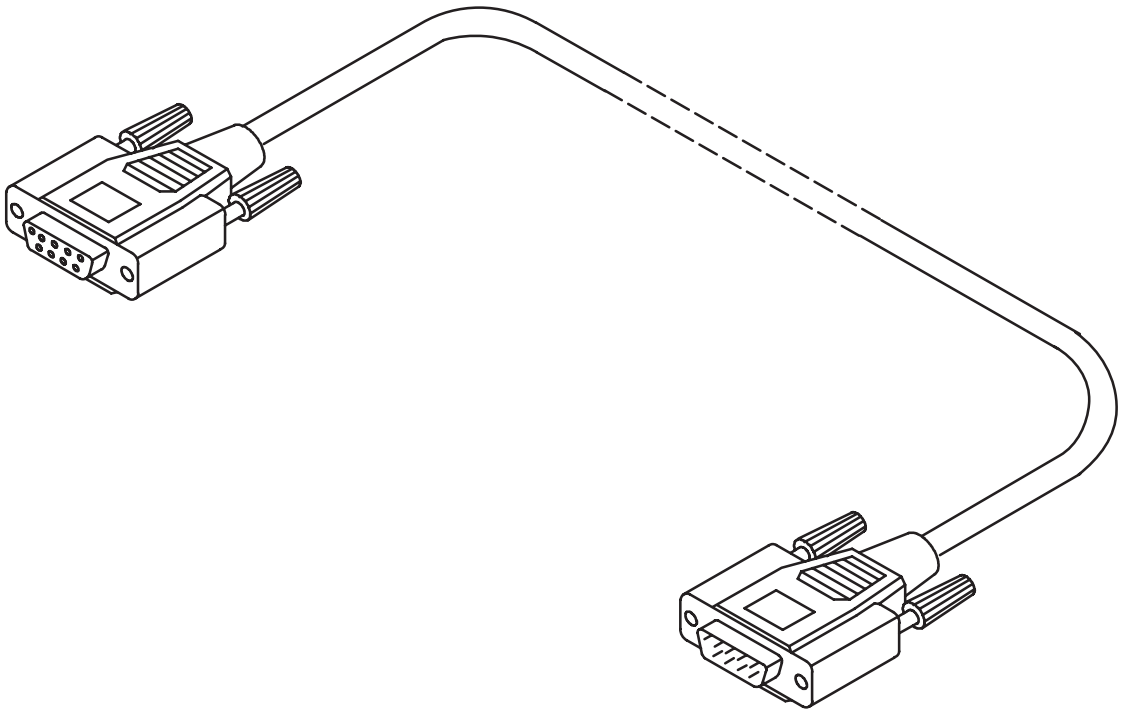
# AXS-4 Service Cable

The AXS-4 D9-D9 Service Cable is used to connect two 9 pin D connectors e.g. between PC and FPS-8. Cable length is 2 meters.

## Product code

AXS-4 D9-D9 Service Cable: 0730090

**View of AXS-4**

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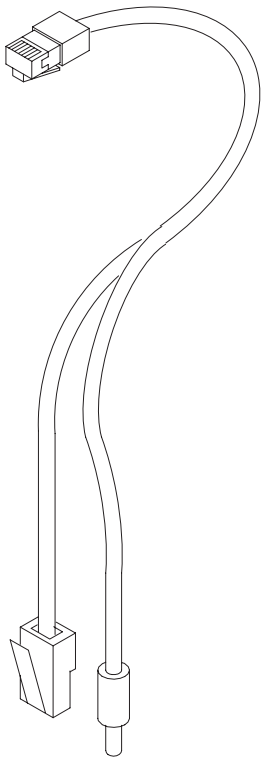
# XCS-1 Service Cable

The XCS-1 Service Cable is used to connect FLS-4S to FLA-27.

## Product code

XCS-1 Service Cable: 0730218

**View of XCS-1**

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# PKD-1 SW Security Device

SW security device is a piece of hardware enabling the use of the service software when connected to the parallel (LPT) port of the PC. Without the dongle present it is not possible to use the service software. Printer or any such device can be connected to the PC through the dongle if needed.

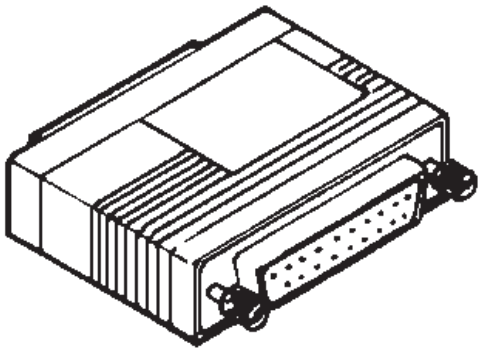
Caution: Make sure that you have switched off the PC and the printer before making connections!

Caution: Do not connect the PKD-1 to the serial port. You may damage your PKD-1!

## Product code

SW Security Device PKD-1: 0750018

**View of SW Security Device**

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# FLS-4S POS (Point Of Sale) Flash Device (Sales Pack)

FLS-4S is a dongle and flash device incorporated into one package, developed specifically for POS use.

## Product code

| | |
|---|---|
| Sales Pack - Europe/Africa: | 0080541 |
| Sales Pack - APAC: | 0080542 |
| Sales Pack - US: | 0080543 |

**View of FLS-4S**

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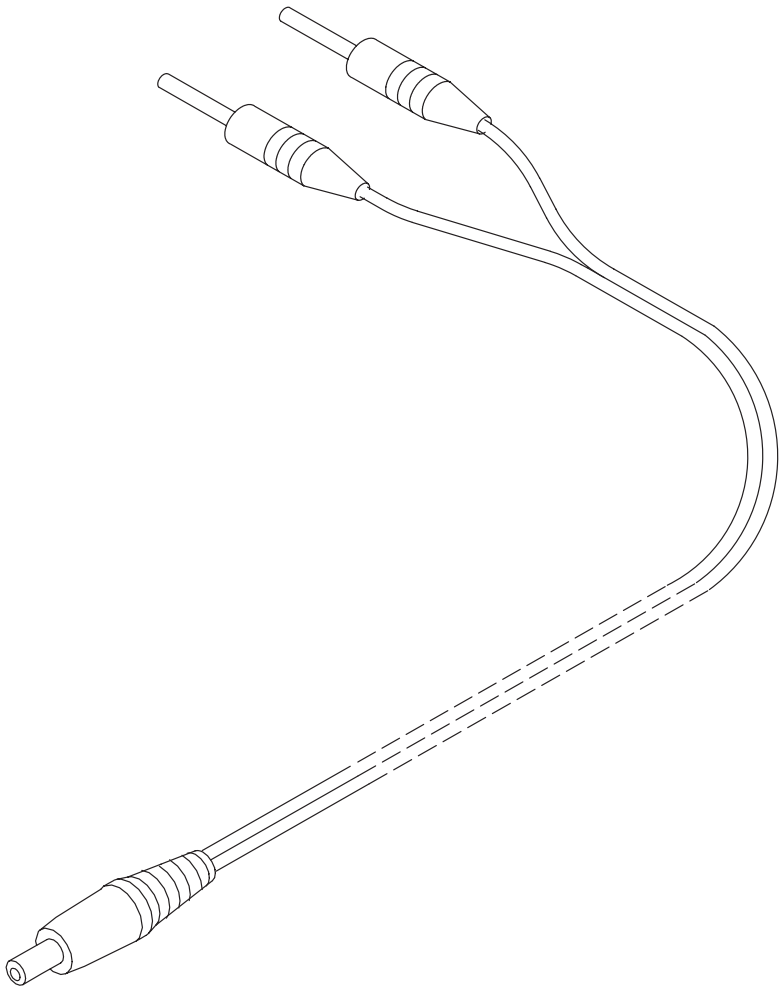
# PCS-1 Power Cable

The PCS-1 Power Cable (DC) is used to connect e.g. JBV-1 to FPS-8.

## Product code

PCS-1 Power Cable: 0730012

**View of PCS-1**

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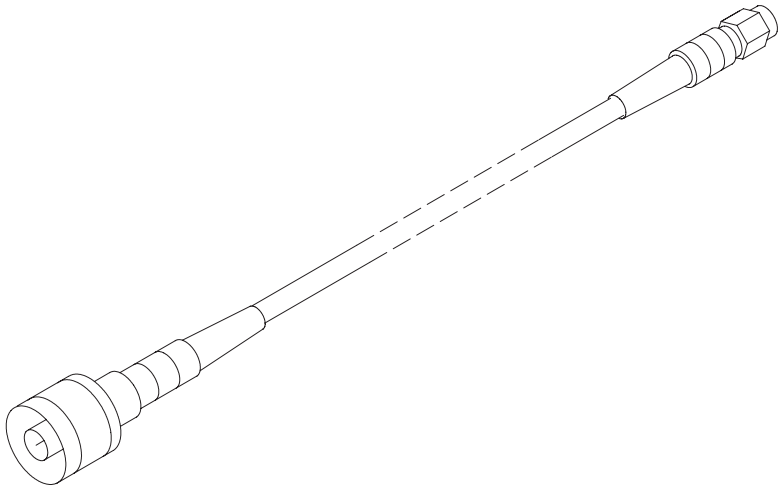
# XRF-1 RF Cable

RF cable XRF-1 is used to connect e.g. Module Jig MJS-38 to RF measurement equipment.

## Product code

| | |
|---|---|
| XRF-1 RF Cable: | 0730085 |

**View of XRF-1**

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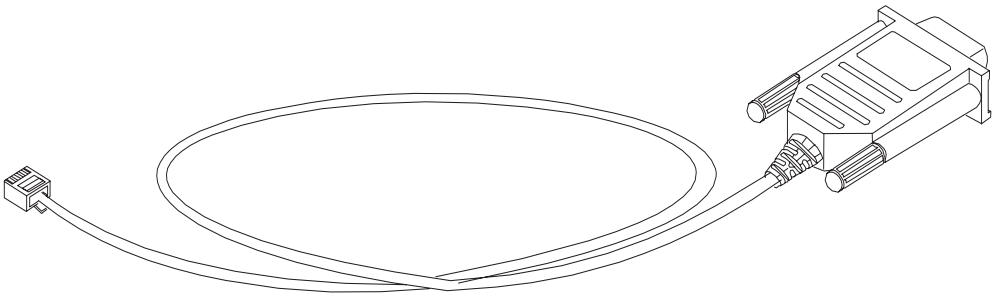
# DAU-9S FBUS Cable

The FBUS Cable DAU-9S has a modular connector and is used between PC's serial port and e.g. Module Jig MJS-38.

## Product code

| | |
|---|---|
| DAU-9S FBUS Cable: | 0730108 |

**View of DAU-9S**

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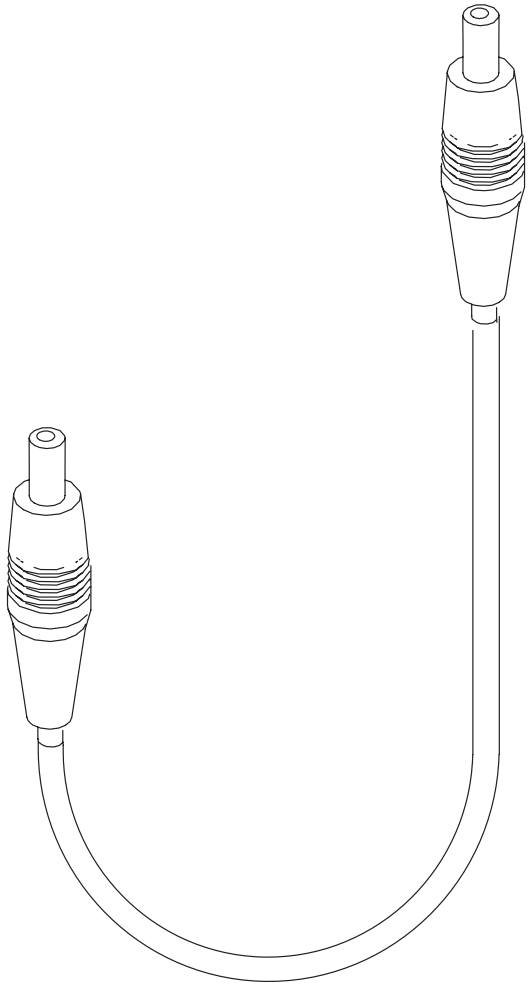
# SCB-3 DC Cable

The DC Cable SCB-3 is used to connect e.g. JBV-1 to the phone.

## Product code

SCB-3 DC Cable: 0730114

**View of SCB-3**

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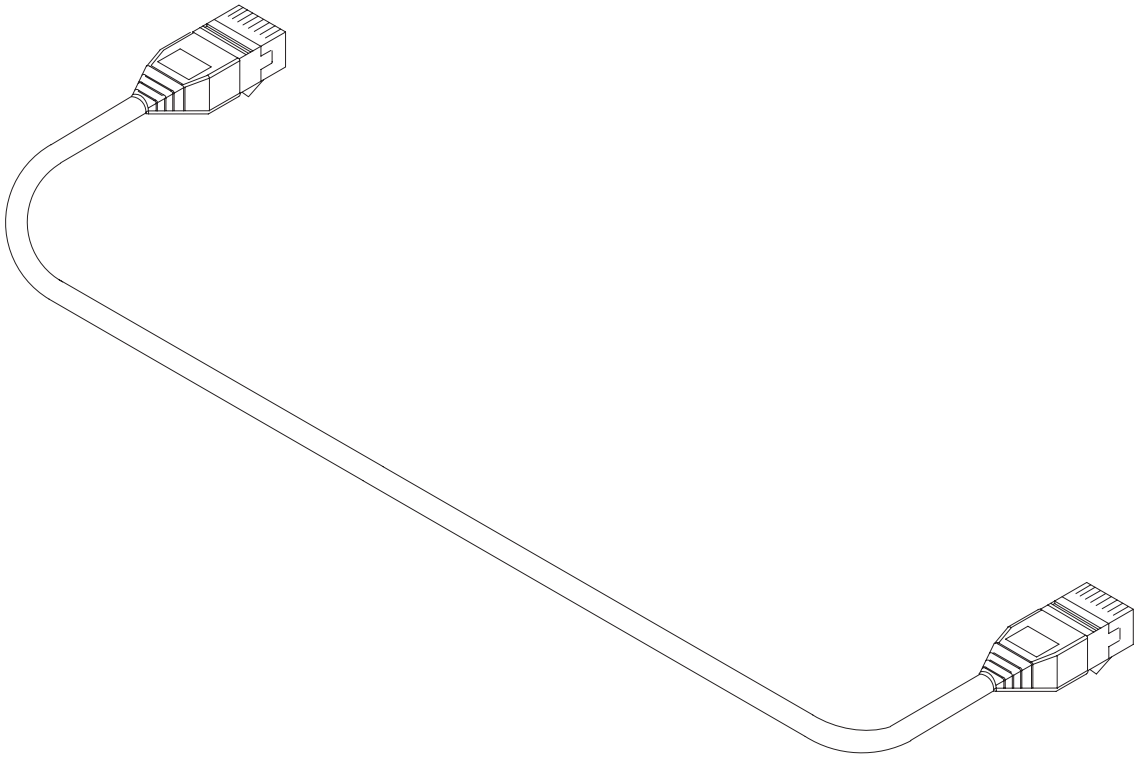
# XCS-4 Modular Cable

XCS-4 is a shielded cable (one specially shielded conductor) modular cable for flashing and service purposes.

## Product code

| | |
|---|---|
| XCS-4 Modular Cable: | 0730178 |

**View of XCS-4**

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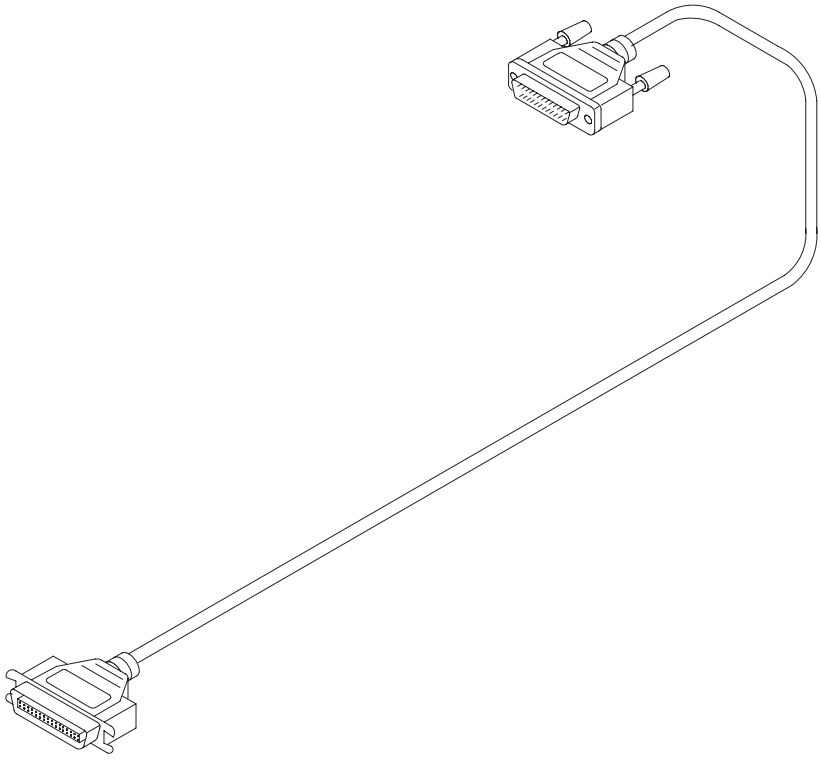
# Printer Cable

This cable is used to connect the PC to FPS-8.

## Product code

Printer Cable: 0730029

**View of Printer Cable**

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